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(54) Title: ELECTROCHEMICAL DETECTION OF NADH OR NAPH

(57) **Abstract:** A method for detecting the presence or absence of, or for determining the concentration of, NADH or NADPH in a sample is provided, wherein the method comprises - contacting a reductase and a redox active agent to said sample; and - measuring the quantity of reduced redox active agent produced by the reductase, by electrochemical means. The method may be used to quantify the amount or activity of a redox enzyme or its substrate, wherein the redox enzyme uses NAD<sup>+</sup>, NADP<sup>+</sup>, NADPH or NADP as a cofactor.

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